

YAP'BUKHTIN, Sh.T.

Shipping liquor and vodka in railroad tank cars. Spirt. prom.
24 no.1:26-27 '58. (MIRA 11:3)

(Liquors--Transportation)

YANBUKHTINA, L. KH.

YANBUKHTINA, L. KH. — "Methods of Introducing Oily and Aqueous Solutions of Certain Pharmaceutical Preparations into the Skin of Cattle."
All-Union Inst of Experimental Veterinary Medicine, Min Agriculture
USSR. Moscow, 1955. (Dissertation for the Degree of Candidate
in Biological Sciences)

No 1

SO: Knizhnaya Letopis', 1956, pp 102-122, 124

YANBUKHTINA, Liliya Khabibulovna; MAKAROVA, K.G., red.; RAKHMATULLINA,
R.Kh., tekhn. red.

[Honey]Med. Ufa, Bashkirscoe knizhnoe izd-vo, 1961. 15 p.
(MIRA 15:10)

(Honey)

ACCESSION NR: AP4015295

S/0280/64/000/001/0075/0085

AUTHOR: Yanby*kh, G. F. (Riga)

TITLE: Using type-D code rings in encoding converters

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1964, 75-85

TOPIC TAGS: code ring, periodic symbol sequence, recurring sequence, sequential network, shaft-code converter, code-shaft converter

ABSTRACT: Methods of coding continuous quantities by means of type-D code rings are set forth, i.e., binary periodic symbol sequences with a period equal to the product pq , where p and q are two prime numbers. A new shaft-code converter uses 4-5 takeoff elements, yet has an unlimited number of digits. Using type-D code rings permits reducing the decoding cycle to p through $p+q$ steps while the ring capacity is pq . The new code-shaft converter has no need for cyclic synchronization of the electrical analog of code rings or for reducer

Card 1/2

ACCESSION NR: AP4015295

coupling: coarse and fine readings of errors make a much higher speed of operation possible. To convert segments of D code rings into a weight or a number-pulse code, any method of decoding the number-combination codes may be used. With a slight increase in equipment, a coarse-and-fine-reading code follower system can be realized, which would have all the advantages of the code rings and yet be free from the shortcomings of such kind of system. Orig. art. has: 6 figures, 30 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 20Apr63

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: CG, IE

NO REF SOV: 003

OTHER: 002

Card 2/2

ACCESSION NR: AP4025743

8/0144/64/000/002/0243/0248

AUTHOR: Yanby*kh, Gennadiy Fedorovich (Engineer)

TITLE: Methods of decoding number-combination codes

SOURCE: IVUZ. Elektromekhanika, no. 2, 1964, 243-248

TOPIC TAGS: computer, digital computer, coding, decoding, number combination code, recurrent sequence code

ABSTRACT: A method is developed for the purpose of broadening the application of number-combination codes in computers and coders. Codes based on recurrent sequences of symbols (code rings) are considered. Decoding of the rings can be accomplished by a matrix-switch method or by a pulse-counting-device method. A modification of the above methods requires only $p + q$ or less cycles for decoding, while the pulse-counting method would require pq cycles and the matrix method would involve too many circuit components (relays,

Cord 1/2

ACCESSION NR: AP4025743

diodes, ferrites, etc.). Orig. art. has: 5 figures, 3 formulas, and 4 tables.

ASSOCIATION: none

SUBMITTED: 05Jun62

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: DP, IE

NO REF SOV: 002

OTHER: 000

Card 2/2

ACCESSION NR: AT4038169

S/2690/63/005/006/0137/0145

AUTHOR: Yanby*kh, G. F.

TITLE: Concerning the decoding of sequences of type D code rings

SOURCE: AN latSSR. Institut elektroniki i vy*chislitel'noy tekhniki. Trudy*, v. 5, 1963. Avtomatika i vy*chislitel'naya tekhnika (Automation and computer engineering), no. 6, 137-145

TOPIC TAGS: coding, code converter, digital, decoder, encoding theory, binary decoder

ABSTRACT: The author describes one case where a code filter having a characteristic polynomial

$$P_c(D) = 1 \oplus c_1 D \oplus c_2 D^2 \oplus \dots \oplus c_n D^n$$

(the c_i assume values 0 or 1, \oplus - sign of addition in modulo 2, and

Card 1/4

ACCESSION NR: AT4038169

D - algebraic delay operator) operates on a binary periodic sequence with code-combination length k

$$\dots, a_0, a_1, \dots, a_{p-1}, a_p, \dots, a_{p-1}, \dots$$

which can be written in the form

$$\frac{Q_p(D)}{1 \oplus D^p}$$

where

$$Q_p(D) = a_0 D^0 \oplus a_1 D^1 \oplus a_2 D^2 \oplus \dots \oplus a_{p-1} D^{p-1} \oplus a_p D^p \oplus \dots \oplus a_{p-1} D^{p-1}$$

If the polynomial $F_q(D)$ is irreducible, the filter cells contain only zeroes in the initial state, the periods p and q are mutually prime, and the polynomial $Q_p(D)$ is of higher order than $F_q(D)$, then the

Cord 2/4

ACCESSION NR: AT4038169

output sequence has a period pq and a code-combination length not larger than $k + 1$. Such code rings are called in the article "type-D rings." It is shown that when such code rings are used in digital servomechanisms and the units that generate the control signals can be made up of shift registers only, in a manner described by the author in his Author's certificate (No. 134485). Orig. art. has: 3 figures and 13 formulas.

ASSOCIATION: Institut elektroniki i vychislitel'noy tekhniki AN LatSSR (Institute of Electronics and Computer Engineering, AN LatSSR)

SUBMITTED: 00

DATE ACQ: 04Jun64

ENCL: 01

SUB CODE: DP

NR REF SOV: 004

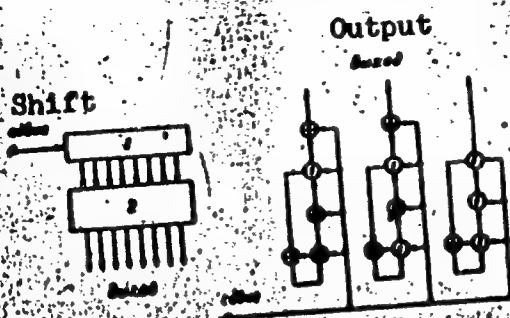
OTHER: 002

Cord: 3/4

ACCESSION NR: AT4038169

ENCLOSURE: 01

Realization of ring combination with shift registers



Card 4/4

L 17278-63 EWT(d)/FCC(*)/BDS AFFTC/IJP(C)
ACCESSION NR: AP3004363 S/0109/63/008/008/1301/1311

52

AUTHOR: Yanby*kh, G. F.

TITLE: Methods of transformation of recurring sequences 10

SOURCE: Radiotekhnika i elektronika, v. 8, no. 8, 1963, 1301-1311

TOPIC TAGS: recurring sequence , encoding device, encoder

ABSTRACT: A method of synthesizing is described of a binary periodic sequence whose period in some cases is a product of multiplication of two initial sequences. Such sequences may find application in discrete followers with a coarse-and-fine reading, in voltage-to-code converters, in various computing devices, etc. It is shown that D-conversion can be effectively used for synthesizing nonlinear recurrent sequences of symbols and that B-conversion is a particular case of D-conversion. In the cases dealt with, D-conversion corresponds to a processing of the sequence by a discrete code filter whose feedback includes only modulo-two

Cord 1/2

L 17278-63

ACCESSION NR: AP3004363

adders. The above methods permit determining cyclic properties of a filter output sequence when the filter is described either by an irreducible polynomial $F_q(D)$ whose power exceeds 1, or by polynomials of the form

$$F_q(D) = 1 \oplus D \text{ or } F_q(D) = 1 \oplus D^k.$$

Orig. art. has: 1 figure and 32 formulas.

ASSOCIATION: none

SUBMITTED: 12Jul62

DATE ACQ: 20Aug63

ENCL: 00

SUB CODE: CO

NO REF SOV: 008

OTHER: 004

Card 2/2

ZASHCHEPIN, A.N., kand.tekhn.nauk; YANBYKH, N.N., inzh.

Stability of concrete payments and the role of air-entraining
additives. Avt.dor. 26 no.4:16-18 Ap '63. (MIRA 16:4)

(Pavements, Concrete—Corrosion)

(Air-entrained concrete—Testing)

Used lubricating oils were purified by using 5 different no. of
of monomethylolurea to starting agent. The

GORUN, Ye. G.; YANCHENKO, A.G.

Chemical and technological properties of the promising popcorn hybrids. Kons. i ov. prom. 18 no.11;38-39 N '63.

(MIRA 16:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

YANCHENKO, Aleksandr Pavlovich, kand.ekon.nauk; ODELSKIY, M.Kh., prof.,
doktor tekhn.nauk, zaslushennyy deyatel' nauki i tekhniki BSSR,
nauchnyy red.; PSEONIK, B.M., red.; ZIMA, Ye.G., tekhred.

[Gas supply for industrial and domestic use in White Russia]
Gazosnabzhenie promyshlennosti i byta v BSSR. Minsk, 1961.
31 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh
znaniy Belorusskoi SSR, no.6).

(MIRA 14:4)

(White Russia--Gas, Natural)

YANCHENKO, A.P.

Gas supply in the White Russian S.S.R. in 1959-1961.
Gaz. prom. no. 10:37-39 of '61. (MIRA 14:11)
(White Russia--Gas distribution)

LEVIN, Iosif Ben'yaminovich; PEKELIS, Grigoriy Borisovich;
YANCHENKO, Aleksandr Pavlovich; VEDUTA, N.I., red.;
PEKELIS, G.B., red.; DAVIDOVICH, Z., red. izd-va;
KOVALENKO, A., tekhn. red.

[Power engineering in the White Russian S.S.R. and its
potentials] Elektroenergetika BSSR i ee rezervy. Minsk,
Izd-vo AN BSSR, 1963. 215 p. (MIRA 17:3)

ROGOZIN, N.Ye., doktor ekon.nauk, prof.; YANCHENKO, A.P., kand.tekhn.nauk

"Economics of the peat industry." Reviewed by N.E.Rogozin,
A.P.IA.chenko. Torf. prom. 39 no.8:33-34 ..'62. (MIRA 16:1)
(Peat industry)

NECHIPORENKO, A.I.; YANCHENKO, B.M.; TIMOFEYEV, Yu.I.

Mechanization and automation of pipe finishing. Met. 1 gornorud. prom.
no.5:36-38 8-0 '64. (MIRA 18:7)

YANCHENKO, B.S., inzh. (Leningrad)

Variational method of zones. Issl.po teor.sooruzh. no.11:275-291
'62. (MIRA 15:8)
(Structures, Theory of) (Calculus of variations)

YANCHENKO F. M.

USSR / Farm Animals. Small Horned Stock.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105712.

Author : Yanchenko, F. M.
Inst : All-Union Scientific Research Institute of Sheep
and Goat Breeding.
Title : The Study of Peculiarities of Fat Deposition in
Sheep of Different Breed Groups Under Conditions
of Mountain Rayons of Northern Caucasus.

Orig Pub: Byul. nauchno-tekhn inform. Vses. n.-i. in-t
ovtsevodstva i kozovodstva, 1956 (1957), No 3
(25), 55-58.

Abstract: It was found that the largest amount of fat is
deposited in the sheep of the semi-fine-wool
breed, and the smallest in the Fine-wool one.
The total amount of deposited fat in the semi-
Fine-wool sheep is higher than in the Coarse-

YANCHENKO F. N.,
USSR / Farm Animals. Small Horned Stock.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105718.

Author : Yanchenko, F. N.

Inst : All-Union Scientific Research Institute of
Sheep and Goat Breeding.

Title : Study of the Osseous Framework of Different
Breeds of Sheep Under Conditions of Seasonal
Movement to Pastures.

Orig Pub: Byul. nauchno-tokhn. inform. Vses. n.-i. in-t
ovtsevodstva i kozovodstva, 1956 (1957), No 3
(25), 43-45.

Abstract: It was found that semi-Fine-wool sheep with a
higher live weight possess also a proportionately
larger built skeleton. Its absolute weight is
by 536 g., or by 15%, higher than the weight of
the skeleton of the local coarse-wool breed, and

Card 1/2

USSR / Farm Animals. Small Horned Stock.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105718.

Abstract: by 818 g., or by 25%, higher than the skeleton
of the Fine-wool sheep. Under conditions of ef-
ficient meat-wool productiveness, the breeding
of these sheep in the mountainous areas is basic-
ally expedient and economically profitable. --
A. D. Musin

YANCHENKO, F.N.

USSR/Farm Animals - Small Horned Stock.

Q-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2594

Author : M.I. Sannikov, F.N. Yanchenko

Inst : -

Title : On the System of Sheep Breeding in Mountainous Regions.

Orig Pub : Zhivotnovodstvo, 1957, No 4, 16-20

Abstract : Demonstrates the expediency of breeding semi-fine wool sheep (early maturing meat animals) in the foot hills and mountainous regions of northern Caucasus. The lambing was adjusted to take place in January-February. The lambs were slaughtered for meat at the age of 7-8 months. Each slaughtered lamb provided: 1.5-2.0 kilograms of wool, a sheep-skin, and 18-20 kilograms of high grade meat.

Card 1/1

YANCHENKO, G.G.

Casting steel flanges in metal molds. Mash. 1 neft. obor. no.10:
34-35 '63. (MIRA 17:4)

1. Novocherkasskiy zavod "Neftemash".

YANCHENKO, G.G.

Brass cladding the steel pipe grids of heat exchanging
apparatus in petroleum refineries. Mash. i neft. obor.
no.4:29-30 '64. (MIRA 17:6)

1. Novocherkasskiy zavod "Neftemash".

YANCHENKO, G.G., inzh.

Casting steel flanges in metal molds. Mashinostroenie no.
2:36 Mr-Ap '64. (MIRA 17:5)

YANCHENKO, G.G.

Casting of steel flanges into metal molds. lit. proizv. no.3:
36-37 Mr '64. (MIRA 18:9)

YANCHENKO, G.G.

Smelting cast iron and steel briquets in electric and cupola furnaces.
Lit. proizv. no.8:43-44 Ag '64. (MIRA 18:10)

YANCHENKO, G.G., inzh.

Ceramic metal molds for cast iron. Lit. proizv. no.9:34 S '65.

YANCHENKO, I.

At the construction site of the city of science. Fin. SSSR 37
no.11:32-33 N'63. (MIRA 17:2)

1. Upravlyayushchiy Sovetskim otdeleniyem Stroybanka, Novosibirsk.

SADYKOV, A.S., prof.; YANCHENKO, L.F., assistant

Age-conditioned effect of high external temperature on the
evacuatory function of the stomach in dogs depending on the
temperature of the introduced liquid. Uch. zap. Tashk. gos.
ped. inst. 35 no.1:42-46 '63.

YANCHENKO, K. V.

USSR/Cultivable Plants - Grains

M-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10698.

Author : Yanchenko, K.V.

Inst : Krasnoyarsk State Pedagogical Institute.

Title : On the Question of the Aftereffects of X-Rays on Wheat Seeds (Preliminary Report)

Orig Pub : Uch. zap. Krasnoyarsk. gos. ped. in-ta, 1956, 5, 155-157.

Abstract : A study was made of the influence of X-rays (in a radiation dosage of 540 μ) on the sprouting energy and germination of seeds of the wheat variety Kamolinka B-223. After irradiation the sprouting and germination energy of the seeds falls sharply, then starts a gradual rise, with the sprouting energy attaining a maximum on the 10th day, and the germination on the 21th day, after irradiation. Subsequently the sprouting energy and germination begin to fall.

Card 1/1

YANCHENKO, K. V.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962030005-5

COUNTRY	: USSR	
CATEGORY	: Cultivated Plants. Grains. Legumes. Tropical Cereals.	M
ABS. JOUR.	: RZhBiol., No. 3, 1959, No. 10928	
AUTHOR	: Nikolaychuk, L., Yanchenko, K.	
INST.	: Krasnoyarsk State Pedagogical Institute.	
TITLE	: The Influence of the Planting Density of Corn Foras Different with Respect to Fast Ripening on the Yield and Fodder Qualities of the Green Roughage.	
ORIG. PUB.	: Uch. zap. Krasnoyarskiy gos. ped. in-t, 1957, 10, 99-109.	
ABSTRACT	: In 1955, there were started experiments on the selection of varieties and on the determination of the optimum planting density of corn under the conditions of the forest steppe of Krasnoyarskiy Kray. According to the preliminary data, it is recommended to plant for silage the fast-maturing corn variety - Minusinskaya zholtozernaya. — G. N. Chernov	

YANCHENKO, K.V.

Aftereffect of X rays on wheat seeds. Report No.2. Uch. zap.
Kras. gos. ped. inst. 15:129-133 '59. (MIRA 14:12)
(Plants, Effect of X rays on)
(Wheat)

YANCHENKO, K.V.

Changes in the quality of catalase of wheat seeds after their
irradiation with X-rays. Uch.zap.Kras.gos.ped.inst. 24 no.6:20-23
'63. (MIRA 18:10)

YANCHENKO, L. N.

B. T. R.
v. 3 No. 3
Mar. .954
Wood and Forest
Products

1288* Determining the Swelling of Cellulose in Water and Alkaline Solutions. (Russian.)¹ N. V. Rukhin and¹ L. N. Lanchenko. *Bumazhnaya Promyshlennost*, v. 28, no. 11, Nov. 1953, p. 13-17.

Investigations showed that character of cellulose swelling in water was changed by increasing drying temperature. Diagrams, graphs, photographs, table, 7 ref.

Central Sci. Res. Inst Cellulose and Paper Industry

USSR/Diseases of Farm Animals. Noninfectious Diseases R-2

Abs. Jour : Ref Zhur-Biol., No 2, 1958, 2770

Author : Yanchenko M. K.

Inst : ~~Not given~~ Voronezh Region Vet. Lab.

Title : Pellagra in Piglets

Orig Pub : Veterinariya, 1957, No 5, 56-57

Abstract : Pellagra in piglets from 2 to 4 months old was observed by the author at one of the kolkhozes. The disease was characterized by lowered and in some animals perverted appetite, eczematous affection of the skin, and convulsions which were shortly followed by death. In the author's opinion the piglets contracted pellagra as a result of being fed corn only. The subcutaneous administration to the piglets of nicotinic acid in doses of 0.4 mg/kg for a period of 10 days, and the inclusion

Card 1/2

USSR/Diseases of Farm Animals. Noninfectious Diseases R-2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962030005-5

Abs. Jour : Ref Zhur-Biol., No 2, 1958, 2770

Abstract : of green fodder and dairy products into the food rations produced a favorable therapeutic effect. Pathologo-anatomical changes in the sick piglets are described.

Card 2/2

MOLDAVSKAYA, A.A.; LIFSHITS-VASIL'CHENKO, A.A.; YANCHENKO, M.K.; POLYAKOV, I.I.; URALEVA, V.S.

Epidemic outbreak of brucellosis caused by the migration of Br. melitensis to cattle. Zhur.mikrobiol.epid.i immun. 31 no.9:113-117 S '60. (MIRA 13:11)

1. Iz Luganskoy oblastnoy sanitarno-epidemiologicheskoy stantsii i Rostovskogo nauchno-issledovatel'skogo protivochumnogo instituta. (BRUCELLOSIS) (MILK—MICROBIOLOGY)

Yanichenko, M.M.

PLANE I BOOK EXPLOITATION SCF/4018

Materialy nauki i tekhnologii SSR. Fiziko-tekhnicheskii institut
Sovetskii nauchnyi trudy, vyp. 5 (Collected Scientific Papers of the
Institute of Engineering Physics, Academy of Sciences Belorussian
SSR, No. 5) Minsk, Izdat. AN BSSR, 1959. 239 p. Karta 512
154x221. 1,100 copies printed.

M. of Publishing House: I. Yanich; Tech. Ed.: I. Vojtkovskii;
Editorial Board: V. P. Seredenko, Academician, Academy of Sciences
USSR, M. I. Goryunov, Academician, Academy of Sciences
USSR, M. I. Goryunov, Candidate of Technical Sciences, and
P. A. Pashchuk, Candidate of Technical Sciences.

REMARKS: This book is intended for technical personnel and engi-
neers.

CONTENTS: This collection of 23 articles covers the following
subjects: small current pulsed analysis of electrical discharges
of copper-copper dies, impact operating, simulation of the effect
of temperature on plastic deformation, application and carrying
processes, the processes of pulse discharge, etc.

Seredenko, V. P., K. I. Goryunov, and M. I. Goryunov. Small-
current dies for pulsed and high elements of small plan dies
for forming holes of revolution

Seredenko, V. P., K. I. Goryunov, and M. I. Goryunov. Effect of
the fluid-dielectric charge on the life of dies

Seredenko, V. P., K. I. Goryunov, and M. I. Goryunov. On the
life of dies in two-stage dies

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. On the
impact operating

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Efficiency of impact in operating steel dies
with vertical hammer-to-dielectric ratios on a vertical upsetter

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Measuring fluid pressures in the die cavities
by the liquid method

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Resistance of steel to deformation at close-to-
melting temperatures

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Effect of temperature and rate of strain
on the mechanical properties of silver chloride

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Neutralization
of lead in the thermal alloy [57-25 N. 2047, 165 CO,
Sov. 1/15407]

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Substitution in liquid metals

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Effect of operating temperature on the mechanical properties
and composition of the alloy, 1200°C and 2000°C

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Investigation of copper with high pre-
sented by high-frequency heating

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Methods for development of new processes in
technical metallurgy of metals

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Investigation of surface
quality in vibratory grinding of carbide alloys

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Examination of a low-
voltage pulse discharge by the method of time scanning of light

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. On the mechanism of
phenomena [occurring] on electrons during electric-pulse discharges
in the air at atmospheric pressure

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. On phenomena [occurring]
on electrodes in electric pulse-discharge through a thin metal
film

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Dependence of electric-discharge effect [on electrodes]
on conditions of electric discharge

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Problems in the accuracy of magnetic thermo-
meters

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Investigation of the

Goryunov, M. I., K. I. Goryunov, and M. I. Goryunov. Investigation of the

8/137/60/000/011/038/043
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No.11, p.258, # 27312

AUTHORS: Gorev, K.V., Esterkina, V.A., Yanchenko, M.M., Pavel'yeva, T.S.

TITLE: The Effect of Cementation Temperature on Mechanical Properties and Structure of 18XГТ(18KhGT), 12XH3A(12KhNZA) and 20X (20Kh) Steels

PERIODICAL: Sb. nauchn. tr. fiz. tekhn. in-t AN BSSR, 1959, No. 5, pp. 133-146

TEXT: The authors investigated the effect of gas cementation temperature (920 - 1,000°C) and the conditions of subsequent heat treatment on the mechanical properties (σ_b , σ , ψ , a_k , R_C) and the rate of saturation with C of 18KhGT, 12KhNZA and 20Kh grade steels. It was established that cementation at temperatures of the order of 1,000°C did not impair the mechanical properties of the steel. It is shown that extended annealing at 920 - 1,000°C does not impair the mechanical properties of the steel in spite of the resulting considerable grain growth.
T.F.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

S/123/60/000/024/006/014
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 24, p. 28,
132945

AUTHORS: Gorev, K.V., Esterkina, V.A., Yanchenko, M.M., Pavel'yeva, T.S.

TITLE: The Cementation-Temperature Effect on the Mechanical Properties and
Structure of Steels 18XГТ (18KhGT), 12XH3A (12KhNZA), and 20 X (20Kh)

PERIODICAL: Sb. nauchn. tr. Fiz-tekhn. in-t AN BSSR, 1959, No. 5, pp. 133-146

TEXT: For determining the optimum conditions of high-temperature cementation, the temperature effect was studied (at 920, 960, 1,000°C) of gas cementation on the structure and the mechanical properties of steels 18KhGT, 12KhNZA, and 20Kh. Kerosene, synthol, and spindle oil were used as carbonizers. The cementation at temperatures of about 1,000°C does not deteriorate the mechanical steel properties. There are 7 figures and 3 references.

I.N.N.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

PAVLOV, N.V.; YANCHENKO, M.T.

New data on magnesioferrites. Geol. rud. mestorozh. no.2:74-80
Mr-Ap '59. (MIRA 12:9)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralo-
gii i geokhimii AN SSSR,
(Magnesioferrite)

SHILIN, L.L.; YANCHENKO, M.T.

Knopite from the apatite-nepheline ores of the Khibiny massif.
Dokl.AN SSSR 144 no.3:639-642 My '62. (MIRA 15:5)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR.
(Khibiny Mountains--Knopite)

CHUKHROV, F.V.; SHNEROVA, V.M.; YANCHENKO, M.T.

Lead and copper contents in bismuthine from Northern Koundar
deposits. Trudy Min. muz. no.11:205-210 '61. (MIRA 16:7)

(Kounrad region--Bismuthite)

DOLOMANOVA, Ye.I.; SENDEROVA, V.M.; YANCHENKO, M.T.

Zavaritskite (BiOF), a new mineral of the oxyfluoride group. Dokl.
AN SSSR 146 no.3:680-682 S '62. (MIRA 15:10)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralologii
i geokhimii AN SSSR. Predstavleno akademikom D.S.Korzhinskim.
(Fluorides)

YANCHENKO, N. I.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 143 (USSR) 15-57-7-9711

AUTHORS: Bel'kevich, P. I., Yanchenko, N. I., Slepovich, F. I.

TITLE: Regeneration of Waste Oils by Bleaching Clays
(Regeneratsiya otbelivayushchimi glinami otrabotannykh
masel---in Belorussian)

PERIODICAL: Izv. AN BSSR, ser. fiz.-tekhn. n., 1956, Nr 2, pp 125-
139

ABSTRACT: Clays of deposits at Levaya Ruba (Vitebskaya Oblast),
Malincvka and Vidibor (Brestskaya Oblast), Shelomy
(Mogilevskaya Oblast), and Yel'niki (Gomel'skaya Oblast)
are used for purifying transformer oil by the contact
method. Clays used for this purpose have an acidity
index from 0.06 to 0.35. The amount of clay required
in the process is 5 to 15 percent of the weight of the
oil. Considerably used transformer oils with an

Card 1/2

Regeneration of Waste Oils (Cont.)

15-57-7-9711

acidity index of 1.0 and more should be subjected to acid-earth purification with 3 percent concentrated sulfuric acid and 8 to 10 percent bleaching clay, these amounts being based on weight of the oil. The effect of purification of used oils by montmorillonite clays of Belorussian SSR may be improved considerably by separation of the clay fraction by means of elutriation of natural clays and preliminary thermal activation at 350° C for 3 hours. The authors show that it is perfectly possible to substitute local clays of Belorussia for the imported Georgian and Crimean bleaching clays.

Card 2/2

V. P. Yeremeyev

YANCHENKO, N.I.

137-58-2-4201

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 276 (USSR)

AUTHORS: Gorev, K.V., Yanchenko, N.I., Parkhutik, P.A.,
Mendeleyev, L.T.

TITLE: How Heat-treatment Parameters Affect the Properties of Pistons
Made from Alloy AL-25 (Vliyaniye usloviy termoobrabotki na
svoystva porshney iz splava AL-25)

PERIODICAL: Mashinostroitel' Belorussii, Nr 2 (3), 1957, pp 114-121

ABSTRACT: To learn if it would be feasible to eliminate the heating operation from the quenching process, comparative tests were made of the mechanical properties (σ_b , H_B) of sample pistons made from AL-25 alloys, wherein the pistons were cooled immediately after being chill-cast in air, in hot water, and in cold water. Suggested is a new procedure for heat-treating pistons which consists in quenching them in the water from the chill mold, then aging them 4 hours at $210 \pm 10^\circ\text{C}$.

P.P.

1. Steel alloys--Processes 2. Pistons--Properties 3. Pistons
--Heat treatment

Card 1/1

VERZAL, A.I., inzh.; YANCHENKO, N.I., inzh.

Electrolytic separation of carbides from carbon steels. Mash.
Bel. no.5:156-161 '58. (MIRA 12:11)
(Steel) (Carbides)

YANENKO, N.N.

Implicit numerical difference methods for solving the n-dimensional
heat equation. Izv. vys. ucheb. zav.; mat. no.4:148-157 '61.
(MIRA 14:7)

(Thermodynamics) (Difference equations)

YANCHENKO, O.I.

MARSHAK, M.S., professor; YANCHENKO, O.I., sanitarnyy vrach.

Consultation. Vop.rpt. 12 no.3:88-89 My-Je '53.

(MLEA 6:6)

1. Moskovskiy ryboobrabatyvayushchiy kombinat (for Yanchenko).

(Food, Canned)

YANCHENKO, P.B., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; BYCHKOV, M.S., kapitan meditsinskoy sluzhby, kandidat meditsinskikh nauk; DLIQACH, D.L., starshiy leytenant meditsinskoy sluzhby

Studying unconditioned vascular reflexes in patients with symptoms of narcolepsy. Voen.-med. zhur. no.9:71-72 S '55. (MLRA 9:9)
(NERVOUS SYSTEM--DISEASES) (REFLEXES) (SLEEP)

YUKHNOVICH, A.N., veter. vrach (Yel'ninskiy rayon, Smolenskoj oblasti);
 RUDOMETKIN, Ya.S., veter. vrach; EVENTOV, M.Z., veter. vrach;
 SOBOLEV, A.S., dotsent (Estonskaya SSR); DOL'NIKOV, Yu.Ya., kand.
 veter. nauk; PALIMPSESTOV, M.A., prof.; SIMONENKO, N.M., dotsent;
 GONCHAROV, A.P., assistant; BEZRUKOV, A.A.; FROLENKOV, N.A., veter.
 vrach (Serov, Sverdlovskoj oblasti); KOSHCHHEYEV, P.M.; VOROB'YEV,
 M.M., kand. veter. nauk; YANCHENKO, P.Kh., veter. vrach;
 AMELIN, I.P.; BYCHKOV, A.I., kand. veter. nauk; SHVYREV, G.I.,
 veter. vrach (Stavropol'skiy kray); DANILIN, N.F.; TRUSHIN, A.Z.,
 veter. vrach; SKRYPNIKOVA, T.K., veter. fel'dsher; MIKHEYEV, A.D.;
 KARMANOVA, Ye.M., kand. biol. nauk; REMIZOV, Ye.S., mladshiy
 nauchnyy sotrudnik; ANTIPIN, D.N., referent

From helminthological practice. Veterinariia 38 no.7:55-58
 (MIRA 16:8)
 JI '61.

1. Reshetovskiy veterinarnyy uchastok, Novosibirskoy oblasti
 (for Rudometkin). 2. Sovkhoz "Buda-Koshelevskiy" Gomel'skoy
 oblasti (for Eventov). 3. Sibirskiy nauchno-issledovatel'skiy
 veterinarnyy institut (for Dol'nikov). 4. Khar'kovskiy veteri-
 narnyy institut (for Palimpsestov, Simonenko, Goncharov).
 5. Blagoveshchenskiy sel'skokhozyaystvennyy institut (for
 Bezrukov). 6. Novo-Nikolayevskiy veterinarnyy uchastok Krasno-
 darskogo kraya (for Lochkarev). 7. Karpilovskiy veterinarnyy
 uchastok Chernigovskoy oblasti (for Ponomarenko). 8. Kamalinskiy
 veterinarnyy uchastok Krasnoyarskogo kraya (for Koshcheyev).

(Continued on next card)

YUKHNOVICH, A.N.—(continued) Card 2.

9. Novgorod-Siverskaya meshrayonnaya veterinarnaya laboratoriya, Poltavskoy oblasti (for Vorob'yev).
10. Braginskaya rayonnaya veterinarnaya lechebnitsa, Gomel'skoy oblasti (for Yanchenko).
11. Nachal'nik veterinarnogo otdela Chelyabinskogo oblastnogo sel'skokhozyaystvennogo upravleniya (for Amelin).
12. Chelyabinskaya oblastnaya veterinarnaya laboratoriya (for Bychkov).
13. Kaliningradsкая научно-исследовательская ветеринарная станция (for Danilin).
14. Sovkhoz "Rodina" Kikvidzenskogo rayona, Stalingradskoy oblasti (for Trushin, Skrypnikova).
15. Zaveduyushchiy Kirovo-Chepetskoy myaso-molochnoy i pishchevoy kontrol'noy stantsiyey, Kirovskoy oblasti (for Mikhayev).
16. Gel'mintologicheskaya laboratoriya AN SSSR (for Karmanova).
17. Zapadno-kazakhstanskaya nauchno-issledovatel'skaya veterinarnaya stantsiya (for Remizov).

(Veterinary helminthology)

YANC IENKO, Stepan Yefimovich [Ianchenka, S.]; MOTUZ, K., red.; SLAVYANIN,
1. [Slavonian, B.], red.

[Preferential development of heavy industry in the U.S.S.R.]
Peravashnae razvitatse tsiazhkei promyslovaatsi u SSSR. Minsk,
Dziarzh.vyd-va BSSR, 1958. 62 p. (MIRA 12:2)
(Russia--Industries)

TOMASHEVICH, V.A.; red.; BAZYLEV, T.A., red.; BOROVIK, F.V., red.;
YANCHENKO, S.Ye., red.; GRISHANOVICH, P.U., red.; SAVITSKIY,
F.I., red.; BELEN'KAYA, I.Ye., tekhnred.

[Collected articles on economics] Sbornik statei po politekonomii.
Minsk, Izd-vo Belgosuniv. im. V.I.Lenina, 1959. 170 p.
(MIRA 13:4)

1. Minsk. Universitet.

(White Russia--Economic conditions)

YANCHENKO, Stepan Yufimovich; BEREZKIN, Yu.I., red.; HELEN'KAYA, I.ye.,
tekhn. red.

[Capital exports; textbook] Vyvoz kapitala; uchebnoe posobie.
Minsk, Izd-vo Belgosuniv. im. V.I.Lenina, 1961. 49 p.
(MIRA 15:1)

(Investments, Foreign)

LOBACHEVSKIY, G., inzh. (Zhitomir); YANCHENKO, S., inzh. (Zhitomir)

Transistorized measuring device. Radio no.9:41-42 S '64.
(MIRA 17:12)

YASTREBOV, V.M., kand. tekhn. nauk; YANCHENKO, T.A., inzh.

Period of contact of an internal engagement with a small difference
in tooth number. Izv. vys. ucheb. zav.; mashinostr. no.8:23-30 '65.
(MIRA 18:10)

YANCHENKO, T. F.

ca

118

Immunological properties of the animal organism in cases of vitamin C hypervitaminosis and avitaminosis I. The effect of C hypervitaminosis and avitaminosis on active and passive anaphylactic shock. T. F. Yanchenko. *Med. exp.* (Ukraine) 1940, No. 1, 63-6; *Chem. Zvez.* 1940, II, 2038. — Daily peroral administration of vitamin C to guinea pigs during the period of sensitization prevented the appearance of anaphylactic shock after the critical antigen injection in a third of the cases. In cases of C avitaminosis (scurvy animals) the ability to react was so far reduced in some of the animals that they were no longer able to react to the injections. M. G. Mour

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YANCHENKO, T. F.

Influenza

Resistance to experimental grippe of white mice, receiving vitamin A, and those deficient in Vitamin A, Mikrobiol. zhur. 12 No. 3, 1950.

Monthly List of Russian Accessions, Library of Congress, August 1952, Unclassified.

VAISHING, V.F.

Typhus Fever

Resistance to experimental exanthematic typhus by white mice, receiving vitamin A., and by those deficient in vitamin A. Mikrobiol.shur. 12, No. 4, 1950.

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

YANCHENKO, T.F.

Effect of purified microcide on the course of experimental influenza.
Mikrobiol. zhur. 17 no.3:33-39 '55 (MLRA 10:5)

1. Z Ukrain's'kogo institutu epidemiologii, mikrobiologii i
gigieny (m.Kiiv)

(ANTISEPTICS, effects,
microcide, on exper. influenza) (Uk)
(INFLUENZA, experimental,
eff. of microcide) (Uk)

YANCHENKO, T.F.

Effect of purified microcide on smallpox and rabies fixed virus
under experimental conditions. Mikrobiol.zhur. 18 no.4:38-43 '56.
(MLRA 10:2)

1. Z Ukrains'kogo institutu epidemiologii, mikrobiologii i gigiyeni
(ANTISEPTICS, effects,
microcide on rabies & smallpox viruses (Ukr))
(RABIES, virus,
eff. of antiseptic microcide (Ukr))
(SMALLPOX, virus,
same)

YANCHENKO, T.F.

SCARLET FEVER

"Concerning the Question of the Etiology of Scarlet Fever", by T.F. Yanchenko, M.F. Smyrnova, N.I. Nekrashevych and V.Ya. Pohova'kyy, Mikrobiologichnyy Zhurnal Akademiyi Nauk Ukrayins'doyi RSR, No2, 1957, pp 49-56.

In 1934, Imamura, Ono, Endo and Kawamura declared that they had succeeded in discovering what they called "virus 9", which they considered to be the virulent cause of scarlet fever. But any subsequent research on this virus failed to demonstrate the proposition of the Japanese scientists. Taking Yu.P. Tutysheva's research 1) into consideration, the authors say that the streptococcal etiology of scarlet fever may also seem to be improbable.

Seeking to resolve the differences of opinion in this matter, the authors undertook a series of experiments.

Since the majority of viruses is able to multiply in the developing embryo of a hen, the authors used this method. Filtrates of

Card 1/3

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nasopharyngeal secretion, skin particles and blood from patients with scarlet fever served as the agent to infect animals (white mice, rabbits, guinea pigs, bear cubs, apes, etc.); the developing embryos of hen

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No changes were observed in the embryos after the infection; but when their substance was used as antigen units, the following reactions resulted: in 73 cases, 28 were positive, 15 uncertain, 8 negative and 22 were unaffected.

Fixation of the complement has in some cases determined the presence of antigen in experimental animals, although the authors did not succeed in infecting them every time.

Electron microscope examinations showed some globular formations in the matter as well as in the substance of embryos; In the latter case, however, the authors failed to note an accumulation of such formations. The article concludes that the results thus far obtained are promising, and that the authors intend to continue their studies.

Card 2/3

- 67 -

YANCHENKO, T.F.

Age-dependent resistance to the influenza B virus in mice. Vrach.
delo no.2:179-181 F '57. (MIRA 10:6)

1. Laboratoriya virusnykh infektsiy (zav. - kand.med. nauk M.F.
Smirnova) Kiyevskogo nauchno-issledovatel'skogo instituta epidemiolo-
gii i mikrobiologii.
(INFLUENZA VIRUSES)

conds). It is also possible to produce in rabbits, a con-
ditioned reflex from the exteroceptors of the skin and
mucous membrane of the nose for the elaboration of antiinfluen-

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Card : 1/2

USSR/Virology. General Problems

Abs Jour : Ref Zhur - Biol., No 4, 1959, No 14623

E

enzal antibodies, with the application, as a conditioned
irritant, of Ca Cl_2 or of a hypertonic solution of NaCl .
From the authors' abstract.

Card : 2/2

YANCHENKO, T.F.; CHUDNAYA, L.M. [Chudna, L.M.]; DANILEYCHENKO, O.A.
[Danyleichenko, O.A.]

Virus carrying in poliomyelitis. Mikrobiol. zhur. 20.no.4:
50-53'58. (MIRA 16:8)

1. Kiyevskiy institut epidemiologii i mikrobiologii.
(POLIOMYELITIS)

Yanchenko, T. F., Golub, N. P. Chudnaya, L. M., Chernova, I. A.,
Borisenko, N. G., Danileychenko, I. A., Kirichinshaya, I. A. and
Chapurskaya-Bazhenova, N. A.

Detection of abortive and latent forms of poliomyelitis and of the
"healthy" virus carriers in the closest environment of the patient. 75-

Materialy nauchnykh konferentsii, Kiev, 1959. 288pp
(Kieskiy Nauchno-issledovatel'skiy Institut Epidemiologii i Mikrobiologii)

SMIRNOVA, M.F.; SEREDA, V.N.; NEKRASHEVICH, N.I. [Nekrashevych, N.I.];
YANCHENKO, T.F.

Regularities observable in detecting globular bodies in the material
from scarlet fever patients. Mikrobiol. zhur. 22 no.3:58-62 '60.
(MIRA 13:12)

1. Iz Kiyevskogo instituta epidemiologii i mikrobiologii.
(SCARLET FEVER)

YA' CHENKO, V. F. DOCENT

IA 1/49T51

USSR/Engineering
Turbines, Steam
Stress

Mar/Apr 48

"The Calculation of the Strength of Disks of Steam
Turbines," Docent V. F. Yanchenko, Cand Tech Sci,
Ullmen Kirov, 32 pp

"Totloturostroy" No 2

Method of two calculating disks used at turbine
constructing works requires supplementary cal-
culation of effect of stress and tension on disks.
Presents method whereby calculations on disk can be
carried out simultaneously with calculations on

1/49T51

USSR/Engineering (Cont'd)

Mar/Apr 48

stress and tension acting on disks. Gives formulas
and practical application.

1/49T51

YANCHENKO, V. F.

1. LCZOVSKITY, A. T. Engs., SANCHENKO, YE. F., YANCHU NKO. V. F.
2. USSR (600)
4. Condensers (Steam)
7. Preventing the overcooling of condensate, Elek. sta. 23 No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

~~YANCHENKO, V.F.~~

BUSLIK, N.G.; KOVALEVSKIY, M.M.; ~~YANCHENKO, V.F.~~ kandidat tekhnicheskikh nauk, retsenzent; BUTAKOV, S.Ye., doktor tekhnicheskikh nauk, redaktor; DUGINA, N.A., tekhnicheskii redaktor.

[Factory testing of steam turbines and pumps] Zavodskie ispytania parovykh turbin i nasosov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 259 p. [Microfilm]
(Steam turbines--Testing) (MIRA 8:4)
(Pumping; machinery--Testing)

YANCHENKO, V.F.

MODEL'MAN, G.I.; YANCHENKO, V.F., kandidat tekhnicheskikh nauk, retsenzent;
BITEMAN, B.L., inzhener, redaktor; DUGINA, N.A., tekhnicheskii
redaktor.

[Turbine mechanic; general turbine installation] Slesar'-turbinist;
obshchaia sborka turbin. Moskva, Gos.nauchno-tekhnich.izd-vo
mashinostroit.lit-ry, 1955. 134 p. (MLRA 8:11)
(Turbines)

KOVALEVSKIY, Mikhail Mikhaylovich; YANCHENKO, V.F., kand. tekhn.
nauk, retserzent; DUGINA, N.A., tekhn. red.

[Qualitative evaluation of steam turbine design] Kachestven-
naya otsenka konstruktsei parovykh turbin. Moskva, Mashgiz,
1963. 288 p. (MIRA 16:5)
(Steam turbines--Design and construction)

YANCHENKO, V.F., kand. tekhn. nauk, dotsent; ALIRAMOV, V.M., inzh.

Use of a model in studying steam turbine condensers.
Energomashinostroenie 9 no.10:20-23 0 '63. (MIRA 16:10)

MEN', P.G., kand. tekhn. nauk; YANCHENKO, V.F., kand. tekhn. nauk, dotsent

Distribution of cooling water in condenser tubes of the
K-100-90 IMZ turbine. Izv. vys. ucheb. zav.; energ. 7 no.6:
10)-113 Je '64 (MIRA 17:8)

1. Ural'skiy politekhnicheskii institut imeni Kirova. Pred-
stavlena kafedroy gidravliki.

YANCHENKO, V. P.

5616

Kak my dobilis' zvaniya "Brigada otlichnogo kachestva". Iz opyta raboty
(Kurskoy shveytnoy fabriki No. 1). Kursk, Kn. izd., 1954. 19s 20 sm. (opyt
novatorov proizvodstva). 1.000 Ekz. 30K- (55-1489) P.
687.1: 658.562 St.

SO: Knizhnaya Letopis', Vol. 1, 1955

SELITSKIY, I.A., kand. tekhn. nauk; YANCHENKO, V.S., inzh.

Effect of current density and the conditions of sulfuric acid diffusion on the capacity of the plates of a lead cell battery. Elektro-tekhnika 36 no.8:41-43 Ag '65. (MIRA 18:9)

YANCHENKO, V.S., inzh.; SLETSKIY, I.A., kand. tekhn. nauk

Effect of the branching of the current conducting lattice on the
operation of the plates of a lead storage battery. Elektrotekh-
nika 35 no.5:42-44 My'64 (MIRA 17:8)

SELITSKIY, I.A.; YANCHENKO, V.S.

Limiting values of potential and current density in the inner layers of a porous electrode. Elektrokhimiya 1 no.6:701-702 Je '65.

(MIRA 18:7)

1. Filial Gosudarstvennogo soyuznogo nauchno-issledovatel'skogo akkumulyatornogo instituta.

TIKHONOV, N.I.; DANILOV, Yu.I.; YANCHENKO, V.T.; ZAKHAROVA, N.P.

Testing method for thermostability under conditions of
variable heat transfer. Zav. lab. 29 no.6:735-738 '63.
(MIRA 16:6)

(Materials—Testing)
(Heat—Transmission)

YANCHENKO, Y. F.

PECHONYI, Khaim Davidovich,; ROKHLENKO, Mikhail Abramovich,; TSEBRENKO,
Karl Pavlovich,; YANCHENKO, Y. F., kand. tekhn. nauk, retsenzent,;
TREYVAS, A.B., prof., red.

[Repair of grain harvesting combines] Remont zernouhorochnykh kombainov.
Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 315 p.
(MIRA 11:12)
(Combines(Agricultural machinery)--Maintenance and repair)

YANCHENKO, Ya.F.

For successful completion of over-all mechanization on livestock farms. Mekh. sil'. hosp. 12 no. 1:1-2 Ja '61. (MIRA 14:1)

1. Nachal'nik Glavnogo upravleniya mekhanizatsii i novoy tekhniki
Ministerstva sel'skogo khozyaystva USSR.
(Stock and stockbreeding) (Farm mechanization)

YANCHENKO, Ya.F.

For highly efficient use of agricultural machinery. Mekh.
sil'. hosp. 12 no.12:15-16 D '61. (MIRA 17:1)

1. Nachal'nik Glavnogo upravleniya remonta i proizvodst-
venno-tekhnicheskogo obsluzhivaniya ob'yedineniya "Ukrsil'gosp-
tekhnika".

YANCHENKOV, A.

AUTHOR: Yanchenkov, A. (TARA, OMSK province). 107-8-15/62

TITLE: A Practical Aid Is Necessary (Nuzhno, prakticheskaya pomogch')

PERIODICAL: Radio, 1957, # 8, p 11, col 2-3 and p 12, col 1-2 (USSR)

ABSTRACT: In March 1956, the radio amateurs of Tara, Omsk province, assisted by the District "DOSAAF" Committee created their own amateur radio club. At the beginning, it had 28 members, among whom were experienced radio amateurs as well as basic students, two months later it had 78 members.

The club council created two sections: a short wave section and a design section.

Within a comparatively short period, the design section acquired the necessary measuring apparatus and instruments as well as radio parts. The amateurs designers soon constructed radio receivers, record players, avometers etc.

At the first TARA district exhibition 17 exhibits by the radio amateurs were shown.

Card 1/2 At the second district radio exhibition held in 1957, 25 exhibits

4778. YANCHEV, K. T. Torgovlya i. potrebleniye pri. sotsializme. stenogramma publichnoy lektsii. kiyev, 1954. 56 s 20 sm (0-vo po rasprostraneniyu. polit i nauch. znaniy ukr. ssr). 21,600 ekz. 80k. -- na ukr. yaz -- (54-53478) 381 (47)

SO: Letopis' Zhrunal' nykh Statey, Vol. 7, 1949

BULGARIA

L. YANCHEV, Military Medical Institute (Visshyi voenno-meditsinskiy institut) Director Docent A. MALEEV.

"Effect of Acute Oxygen Lack on Some CNS Functions."

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 2, No 1, Jan-Mar 63; pp 5-10.

Abstract [English summary modified]: Studies in 34 dogs exposed for 90 seconds to air pressure 56 mm Hg (i.e. equivalent to 18 Km altitude): times of ataxia and fall, start and duration of apnea; intensity and duration of convulsions and restoration of pupillary and corneal reflexes varied quite widely; from dog with apnea from 28th second to 6 min and reflex restored at 7th and 9th min reverting to normal behavior at 70th min to another dog without apnea or convulsions, complete recovery at 4th minute. Severity and duration of convulsions paralleled other parameters. Table, 11 Soviet - pre-revolutionary Russian references, including 2 old theses.

1/1

minutes subjective feeling of fatigue. The animals were trained to increase endurance in certain special situations. Three Soviet-bloc and 2 Western references.

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BULGARIA

V. YANCHEV, Department of Gastroenterology and Dietetics of the Postgraduate Medical Institute (Katedra po gastroenterologiya i dietetika pri ISUL), Head (rukovoditel na katedrata) Prof T. TASHEV, [Sofia.]

"Clinical Study of Bulgarian Preparation Obasil, Obtained from the Plant Basil (*Ocimum basilicum*)."

Sofia, Suvremenna Meditsina, Vol 14, No 4, 1963; pp 26-29.

Abstract [English summary modified]: Obasil is an alcoholic extract of *Ocimum basile* (labiat.); it was used in 74 men and 40 women with gastrointestinal disturbances including 21 hyperperistalsis, 93 spastic intestinal hypertonia with constipation; results were good in most and authors recommend that preparation be manufactured as an intestinal

KRYSTEV, B.; YANCHEV, V.; DUDUNKOV, Z.; NACHEV, K.

Malignant degeneration of a villous tumor of the rectum with severe disorders of protein and water-salt metabolism. Khirurgiia no.3:123-125 '63. (MIRA 16:5)

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(RECTUM--CANCER) (PROTEIN METABOLISM)
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The fox as definitive host of *Echinococcus granulosus*. Acta
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1. Central Helmintological Laboratory (Director: K. Matoff)
of the Bulgarian Academy of Sciences, Sofia.

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AUTHORS: Kunchev, N., Yanchev, Ya., Kharalampiyev, G. and Georgiyev, G. (Bulgarian Peoples Republic)

TITLE: Production of Lead at the Lead-Zinc Plant at Kerdzhali

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ABSTRACT: The production of lead at the Kerdzhali Plant started in December 1958. The Plant had been built with the aid of Soviet technicians and equipped mainly with Soviet machinery. The present article gives a detailed description of all the stages of the production of lead at this plant, a complete flow sheet being reproduced in Fig 1. The plant comprises an agglomeration shop, smelting and refining shop and dust-collecting shop. The chemical composition (%) of the materials used in the preparation of the charge of the sintering kiln is given in Table 1, the materials listed in Column 1 being: concentrate; dust from the bag filters; pyritic cinder; lime; limestone; quartz sand; recirculated products of refining (bismuthous oxides); granulated slag. The charge contains 39 to 40% Pb and 6 to 8% S, the proportion of its various constituents being: concentrate - 50 to 53%, granulated slag - 16 to 18%, dust from the bag filters

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4 to 5%, pyritic cinders - 14 to 15%, recirculated products of refining - 2.5 to 3%, quartz sand - 2 to 3% and lime - 5 to 6%. A great deal of research work was done in 1951 on determining the optimum moisture content in the charge and the correct degree of agglomeration. The results of laboratory experiments on the optimum moisture content are reproduced in Fig 2 where the weight of loose material (kg/l) is plotted against its moisture content (%) for (a) pyritic cinder, (b) charge (the top diagrams), (c) recirculated agglomerate and (d) concentrate (the bottom diagrams). On the basis of these data, the optimum moisture content in the charge was calculated. The results are reproduced in Table 2 under the following headings: components (concentrate, dust; recirculated products of refining; granulated slag; pyritic cinder; limestone; lime; recirculated agglomerate; made-up charge); proportion (%) of the components in charges Nr 1 and Nr 2; optimum moisture content in (a) components, (b) charge Nr 1 and (c) charge Nr 2. In the experiments

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designed to study the effect of the particle size and the characteristics of flux on the gas permeability of the sintered charge, the following materials were used: pyritic ore cinder - 100% of the -8 mm fraction (75% of the -2mm fraction); pyritic concentrate cinder - 100% of the -2 mm fraction; limestone - 100% of the -5mm fraction, 75% of the -2 mm fraction; lime and quartz sand - both 100% of the -2 mm fraction; recirculated agglomerate - 90% of the -8 mm and 10% of the -2 mm fraction. The results of some experiments are reproduced in Fig 3, where the vacuum (mm H₂O) is plotted against the duration (minutes) of sintering of charges containing: coarse pyritic cinder plus limestone (curve 1); fine pyritic cinder plus limestone (curve 2); fine pyritic cinder plus lime (curve 3). The difference between the curves obtained for charges with and without limestone addition is attributed to the dissociation of this substance, which begins 9 to 10 minutes after the start of sintering; it is accompanied by the evaluation of CO₂ and brings about a temporary increase in the permeability of the sintered material. The results of the calculation of the

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vertical rate of sintering and of the degree of desulphurization of charges with identical sulphur contents, showed that the rate of sintering of charges containing the coarse pyritic cinder plus limestone or fine pyritic cinder plus limestone, was the same and amounted to 9.6 mm/min; the degree of desulphurization differed, being 55.7% in the former and 66.8% in the latter case. When fine pyritic cinder and lime was introduced in the charge, the vertical rate of sintering was increased to 12.9 mm/min and the degree of desulphurization to 73%. The results of tests carried out under the actual production conditions (Ref 1) showed that maximum output of the sintering kiln and higher degree of desulphurization are attained with a charge containing 32% of the fine (-2 mm) fraction; on the other hand, if an agglomerate with the required physical properties is to be produced and if the sintering kiln is to function properly, the content of the coarse (+10 mm) fraction in the charge should not exceed 8 to 10%. Consequently, the charge used at present contains 37 to 39% of the -2 mm fraction and 9 to 12% of the +10 mm fraction.

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As a result of strict control of the mixture content and particle size of the charge, the output of the sintering kiln, which in 1950 was 6.7 to 7.2 t/m²/24 hr, has been increased to 13.5 t/m²/24 hr. Regarding the charge of the blast furnace, it consists of the agglomerate, coke, pyrite, recirculated slag and some recirculated lead-bearing products (oxides) of the refining process. The furnace is working under the following conditions: working height - 3.5 m; coke consumption - 12 to 12.5% of the charge; air consumption - 40 m³/m²/min; blast - 1700 mm H₂O; temperature of the waste gases - 200 to 300°C; furnace productivity - 65 to 75 t/m²/24 hr; the charge consisting of 80% agglomerate (Pb - 40 to 42%, S - 1.5%), 15% recirculated slag and 5% of the recirculated lead-bearing material. Although the consumption of coke per 1 t of the produced crude lead is increased as a result of using a large proportion of recirculated slag in the charge, this loss is compensated by the following benefits: more rapid smelting, better stability of the process, higher temperature attained, more uniform distribution of air

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and continuous washing away of tuyere crust. The optimum composition of the slag and the effect of various components of the slag on its lead content, were determined statistically from a large number of analytical results. The findings are reproduced in Fig 4, where the lead content (%) in the slag is plotted as a function of the FeO (top scale) and CaO (bottom scale) contents in the slag. It was found also, that an increase of the CaO content in the slag from 10 to 15% brought about a change of the Cu:Pb ratio in the matte from 0.6 to 0.8 - 1.2 to 1.4. The optimum composition of slag (used at present) is: 34 to 36% FeO, 23 to 25% SiO₂, 13 to 15% CaO and 8 to 11% ZnO. The average lead content in the slag is 1.8% the matte contains 8 to 10% Pb, 10 to 12% Cu, 17 to 20% S and 35 to 42% Fe. Standard pyro-metallurgical processes are used for refining the crude lead. Some experimental work has been done on using a reverberatory furnace for the smelting drosses mixed with 8 to 10% soda ash and 1 to 3% coke dust, the furnace temperature being maintained at 1250 to 1350°C. The obtained matte contained, on the

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average, 12 to 15% copper and 3 to 5% lead. The process was found to have the following disadvantages: low productivity of the furnace ($2.2 \text{ t/m}^2/24 \text{ hr}$); high soda ash consumption (10% of the weight of the charge); unsatisfactory Cu:Pb ratio in the matte (5:1); a tendency to formation of crust on the surface of the bath. Consequently, caustic soda was used instead of soda ash and, at present, the charge (the particle size of which does not exceed 20 to 30 mm) consists of 91 to 92% drosses, 4 to 5% caustic soda, 2 to 3% coke dust and 1% of the oxides from the first alkaline refining process and the furnace operates under the following conditions: temperature - 1250 to 1350°C ; vacuum - 5 to 8 mm H₂O; atmosphere - weakly reducing; intensive raking of the charge in the furnace. The productivity of the furnace under these conditions is 4 to 5 $\text{t/m}^2/24 \text{ hr}$; fuel (mazut) consumption - 120 to 150 kg per 1 t of drosses; the Cu:Pb ratio in the matte - 12:1. The material balance of dross smelting for the period 1st - 11th January 1958, is given in Table 3 under the following headings: material (Charge: drosses; caustic soda; coke dust; oxides from

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